For purposes of comparison with the national standards summarised in this notebook, we provide here similar information for the United States:

## 1. ASHRAE:

The current ASHRAE standard, "Ventilation for Acceptable Indoor Air Quality" (ASHRAE 62-1989), provides for a ventilation rate of 10 l/s of outdoor air per person (20 cfm per person) in offices. This single rate replaces the differential rates for smoking and non-smoking spaces in the superseded Standards 62-1981.

## 2. <u>OSHA</u>:

The Occupational Safety and Health

Administration (OSHA) in the Labor Department

employs the following workplace exposure

limits:

Ammonia	50	ppm
Carbon Monoxide	35	ppm
Formaldehyde	3.0	ppm
Oxides of Nitrogen	5.0	ppm
Respirable Suspended Particulates	5	mg/m <sup>3</sup>
Alkanes	50	ppm
Benzene	1	ppm
Sulphur Dioxide		2 ppm
Nicotine	0.07	ppm
Benzo[a]pyrene	0.02	ppm

These values are set forth in Table 3 of
Pedelty & Holcomb, "A Computer Simulation of
Indoor Air Quality Which Models Changes in
Point Sources and Ventilation," 11
Environmental Technology 1053-1062 (1992). The
values in ppm can be converted to a mg/m<sup>3</sup>
formula when comparing them with the European
standards that are expressed in that form.